L-7 PANELS ABOVE FOLDER

L-8 PANELS FOLD 1"=10 NM

UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION

IFR ENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL
HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

L E G E N D

AIRPORTS

Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or NATIONAL GAMMA DATA LINK (NGDL) Weather Data Broadcast. Facilities in GREEN have a Weather Data Broadcast but do not have an approved Instrument Approach Procedure or published departure procedure.

LAND: Civil, Civil - Military, Military, Heliport
SEA: Civil

1. A solid line surrounding the airport symbol indicates that the airport has complete one Directional Navigational Aid (NDB or VOR) within the airport boundary or has a published instrument approach procedure.
2. A dashed line indicates that airport has no Directional Navigational Aid or Instrument Approach Procedure.

A - Airport - Elevation
Authorized Takeoff Information (if any)
Lighting and Beacon
B - Fee Controlled Lighting
C - Continuous or sunset to sunrise
Part Time
Frequency
Lighting Capability

A - Private use
B - Prior permission required for public airport; non-shown airport or providing the airport manager with a copy of your FAA form 7460-1 Notice of Proposed Construction or Alteration will expedite your operation. The 5-digit identifier assigned to the airport by the FAA precedes the airport name.

Airport name abbreviation
Directory Symbol
Airport name as shown in the Airport/Facility Directory (alternate abbreviations for Airports are Equipment Codes)

Longest runway length (to the nearest 100 feet) (if no other data is given, then no data is available)

An Lighting available
An private facility - indicates no lighting information is available.

NAVAIDS AND COMMUNICATION BOXES

NAVAIDS

VHF/UHF Aids is depicted in BLACK
LF/MF Aids is depicted in MAGENTA

COMPASS ROSES: Oriented to the Magnetic North of ROMAN numbers, indicated to the charted isogonic lines (which may vary from compass rose).

VOR / VOR/TACAN / TACAN / VORTAC

LF/MF Non-directional Radiobeacon (including Radiobeacon with magnetic north indicator)

LF/MF Non-directional Radiobeacon

LF/MF Non-directional Radiobeacon (NDB)

Compass Locator Beacon

Flight Service Station (FSS), Service Communication Outlet (SCO) or Remote Communications Outlet (RCO) (NATIONAL GAMMA data connected and/or shared NAVAIDS) or airport

ES Location Centre with utilitarian navigation facilities

COMMUNICATION BOXES

NAME 000.0 (or 000.00) 121.5
VOR with TACAN compatible DME

Underline indicates the Voice transmitted over the navaid. Voice is transmitted without voice but not underlined.

Crosshatch indicates Broadcast station

(T) Frequency protected - voice range or 15,000 AGL - 12nm

(T) TACAN must be paired in "X" mode to receive distance information

NAME 000.0 (or 000.0) 000.0
TACAN Channel paired with VHF frequency in parenthesis

Automatic Weather Broadcast Systems

AWOS/ASOS/AWSS (Voice) (Text)

Automatic weather, when available, is broadcast on the associated NAVAID frequency

NAME ASOS 000.0 Short Alpha - ASOS/AWOS

Radio Broadcast Station

NAME 0000 (or 000.00) 000.00 (T)
LF/MF Non-directional Radiobeacon (NDB)
VHF Freq paired with TACAN Channel

TACAN FIX DATA

Name - Ident
Type - Channel
Frequency - Elevation
Slant Range TACAN

NAME 000.0 (or 000.00) 121.5
Shadow NAVAID box indicates NAVAID Monitored Service Status (FSS) from same station

NAME 000.0 FSS name and Type/Frequency (associated with NAVAID)

NAME 000.0 Service Outlet (SCO) name and Type/Frequency (name and revoked text(s) are shown)

SHADOW BOXES indicate Flight Service Station (FSS) Data. Text in BLUE and pertaining to VF and 2422.5 Kc/s are only available at FSSs with one-way or two-way VHF/DF capability. Text in Green FSSs provide Airport Advisory Service, see A/FD. Frequencies transmit in Continuous Carrier except for A or S.
S - Separate only
T - Transmit only

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ROUTE DATA

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in MAGENTA
Short Data is depicted in BLUE

VOR Airway
RNAV Airway
Unconfirmed VOR Airway
Oceanic Route
Alternate Route
Low Altitude Airway Segment Regional
Subsidiary Route
Preferred Route Direction Block
Direction of Flight
Fixed Radius Transition
Fixed Fix (position) used in formation of Reporting Points
Radial outbound from a VOR/DME/TACAN
Bearing & Distance Reporting Point
Magnetic Reference Bearing, outbound (from a VOR/DME/TACAN)
Total Mileage between Reporting Points (VOR/DME/TACAN)
Mileage between other Reporting Points (Total Mileage in Brackets)

BOUNDARIES

Air Route Traffic Control Center (ARTCC)
ARTCC Remoted Sites with discrete VHF voice channels
Flight Information Region (FIR)
Type of Area Traffic Service
Oceanic Control Area (OCA)
Oceanic Flight Level

ALTITUDES

Obstacle Clearance Altitude (OCA)
Minimum Obstruction Clearance Altitude (MOCA)
Minimum Enroute Altitude (MEA)
Maximum Authorized Altitude (MAA)
MEA, MOCA and/or Minimum Obstruction Clearance Altitude
Minimum Reception Altitude (MRA)
Minimum Crossing Altitude (MCA)
Radio Fixes with now reached airspace floor or leaving airspace ceiling (MEA or MAA shown, MOCA, MRA, MCA, MRA)

Obstacle Identification Zone (OIZ)
CW Radio Observation Station Minimum Altitude Eastside: 12,000 feet

REPORTING REQUIREMENTS

Pilot Controlled Frequency
Non-Compulsory Position Report
Compulsory Position Report
Non-Compulsory Position Report
RNAV Waypoint Compulsory and Non-Compulsory Position Report
Denotes DME Fix and Mileage
Offset airways indicate facility serving the fix (every 5 nm unless otherwise noted)
Mileage Breakdown in Computer Navigation Fix (CNF)

International Date Line
Distance arcs are in nm (km)

AIRSPACE INFORMATION

Class arrow (solid) indicates controlled airspace. Class arrow (dashed) indicates uncontrolled airspace (no Class A or E airspace shown 12,000')

Class arrow (dashed) indicates uncontrolled airspace above 14,500' (Class E)

Class A - Class E - Class G - Class D - Class B - Class C - Class D - Class E - Class G - Class D - Class E - Class G - Class D - Class E - Class G